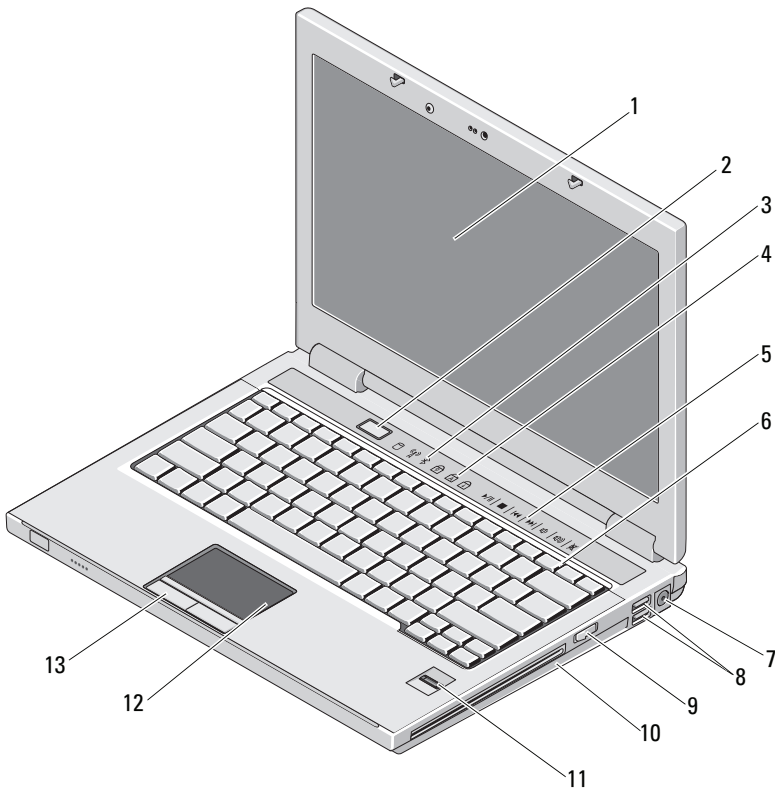
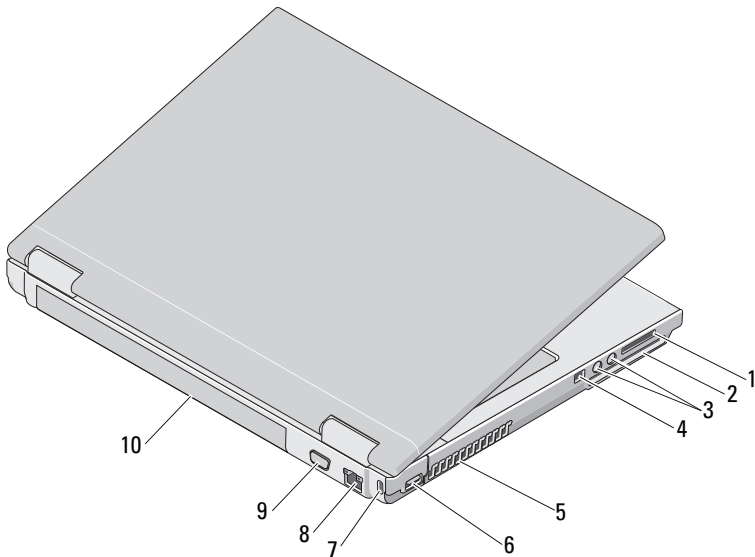
WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

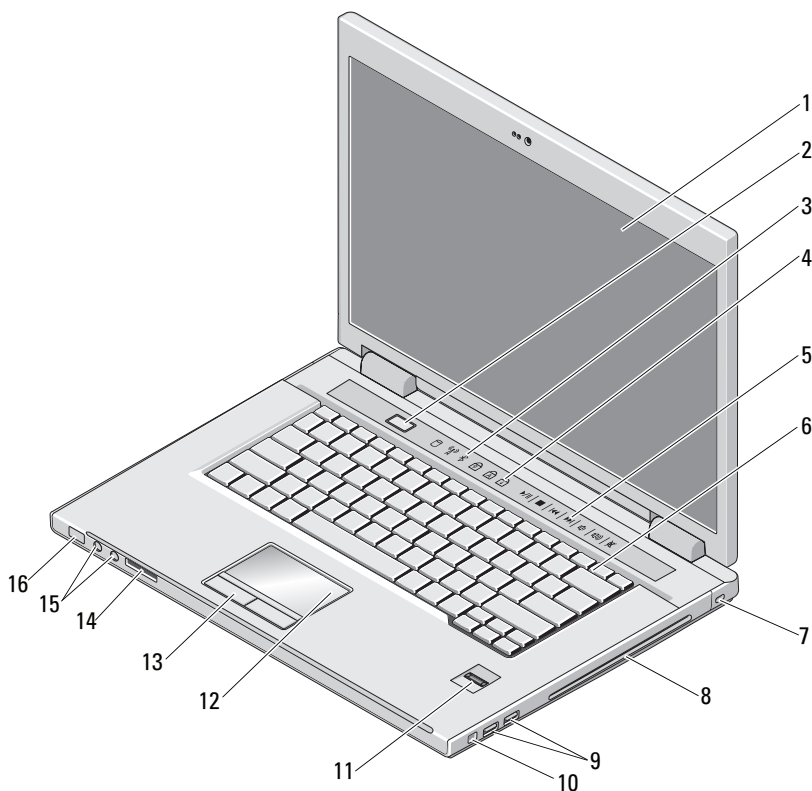
Dell™ Vostro™ 1310/1510/1710/2510 Setup and Features Information

Vostro 1310

January 2009

Models: PP36S, PP36L, PP36X

1	display	2	power button
3	device status lights	4	keyboard status lights
5	media controls (volume, forward, reverse, stop, play, and eject)	6	keyboard
7	AC adapter connector	8	USB connectors (2)
9	wireless switch	10	optical drive/media bay
11	fingerprint reader (optional)	12	touch pad
13	touch pad buttons (2)		

1	8-in-1 card reader slot	2	ExpressCard/54 slot
3	audio connectors (2)	4	IEEE 1394 connector
5	cooling vents	6	USB connector
7	security cable slot	8	network connector
9	video connector	10	battery

Vostro 1510/2510

NOTE: The difference between Vostro 1510 and Vostro 2510 is the color of the chassis. The chassis color of Vostro 1510 is *Black* and the chassis color of Vostro 2510 is *Cherry Red*.

1	display	2	power button
3	device status lights	4	keyboard status lights
5	media controls (volume, forward, reverse, stop, play, and eject)	6	keyboard

7 security cable slot

8 optical drive/media bay

9 USB connectors (2)

10 IEEE 1394 connector

7 security cable slot

8 optical drive/media bay

9 USB connectors (2)

10 IEEE 1394 connector

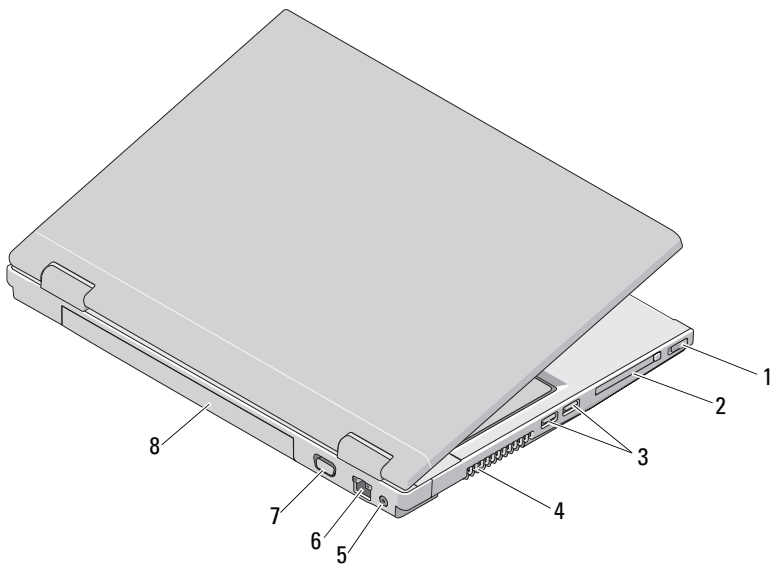
11 fingerprint reader (optional)

12 touch pad

13 touch pad buttons (2)

14 8-in-1 card reader slot

15 audio connectors (2)

16 power and battery charge lights

1 wireless switch

2 ExpressCard/54 slot

3 USB connectors (2)

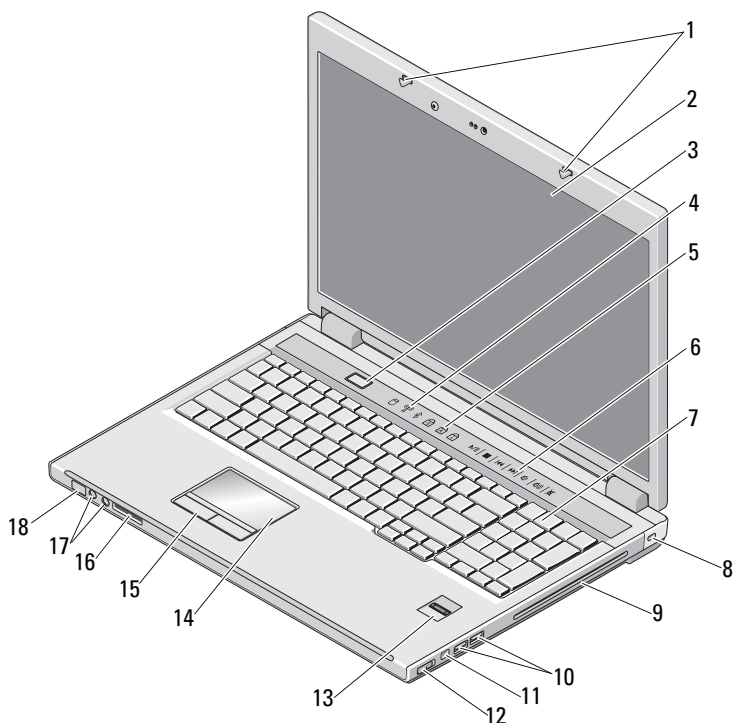
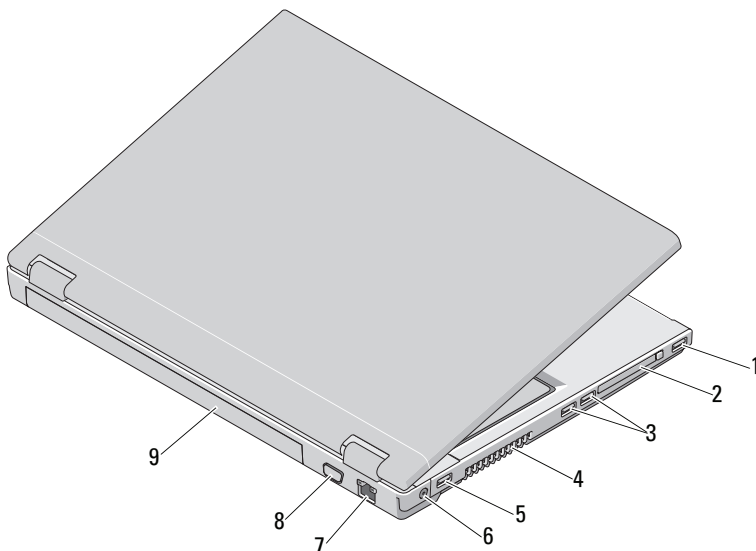
4 cooling vents

5 AC adapter connector

6 network connector

7 video connector

8 battery

Vostro 1710

1	display latches	2	display
3	power button	4	device status lights
5	keyboard status lights	6	media controls (volume, forward, reverse, stop, play, and eject)
7	keyboard	8	security lock
9	optical drive/media bay	10	USB connectors (2)
11	IEEE 1394 connector	12	wireless switch
13	fingerprint reader (optional)	14	touch pad
15	touch pad buttons(2)	16	8-in-1 card reader
17	audio connectors(2)	18	power and battery charge lights

1	USB connector	2	ExpressCard/54 slot
3	USB connectors (2)	4	cooling vents
5	USB connector	6	AC adapter connector
7	network connector	8	video connector
9	battery		

 WARNING: Do not block, push objects into, or allow dust to accumulate in the air vents. Do not store your Dell™ computer in a low-airflow environment, such as a closed briefcase, while it is running. Restricting the airflow can damage the computer or cause a fire. The computer turns on the fan when the computer gets hot. Fan noise is normal and does not indicate a problem with the fan or the computer.

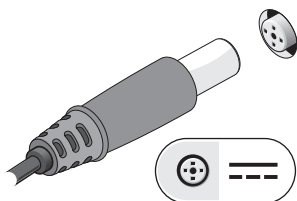
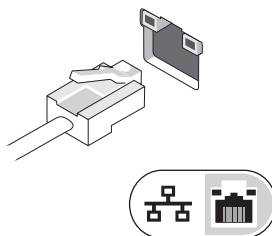
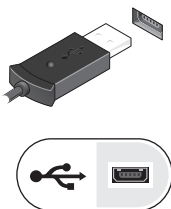
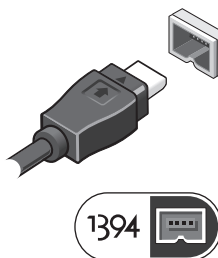
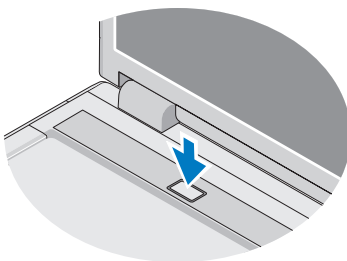
Quick Setup

 WARNING: Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information see www.dell.com/regulatory_compliance.

 WARNING: The AC adapter works with electrical outlets worldwide. However, power connectors and power strips vary among countries. Using an incompatible cable or improperly connecting the cable to the power strip or electrical outlet may cause fire or equipment damage.

CAUTION: When you disconnect the AC adapter cable from the computer, grasp the connector, not the cable itself, and pull firmly but gently to avoid damaging the cable. When you wrap the AC adapter cable, ensure that you follow the angle of the connector on the AC adapter to avoid damaging the cable.

 NOTE: Some devices may not be included if you did not order them.

1 Connect the AC adapter to the AC adapter connector on the computer and to the electrical outlet.

2 Connect the network cable.

3 Connect USB devices, such as a mouse or keyboard.

4 Connect IEEE 1394 devices, such as a DVD player.

5 Open the computer display and press the power button to turn on the computer.

NOTE: It is recommended that you turn on and shut down your computer at least once before you install any cards or connect the computer to a docking device or other external device, such as a printer.

Specifications

NOTE: Offerings may vary by region. For more information regarding the configuration of your computer, click **Start**→ **Help and Support** and select the option to view information about your computer.

System Information	
Processor type	Vostro 1310, 1510, 1710 and 2510: Intel® Core™ 2 Duo (1.4–2.6 GHz) Intel Celeron® (1.8–2.0 GHz)
Chipset	
Vostro 1310, 1510, and 1710	Intel GM965 Express chipset for integrated graphics Intel PM965 for discrete graphics
Vostro 2510 integrated	Intel PM965

Video	
Video type	integrated on system board
Data bus	integrated video
Video controller	
Vostro 1310, 1510, and 2510 discrete	NVIDIA GeForce 8400M GS, 64 bit
Vostro 1710 discrete	NVIDIA GeForce 8600M GS, 128 bit
Video memory	
Vostro 1310, 1510, and 1710 integrated	up to 256 MB of shared memory
Vostro 1310 discrete	128 MB
Vostro 1510, 1710, and 2510 discrete	256 MB

Battery	
Type	"smart lithium ion"
	Vostro 1310 — 4-cell, 6-cell and 9-cell
	Vostro 1510 and Vostro 2510 — 6-cell and 9-cell
	Vostro 1710 — 6-cell and 8-cell
Dimensions:	
Depth	
4-cell, 6-cell and 8-cell lithium-ion batteries	50.3 mm (1.980 inches)
9-cell lithium-ion batteries	72 mm (2.835 inches)
Height	
4-cell and 6-cell	Vostro 1310 — 19.9 mm (0.783 inch)
9-cell	Vostro 1310 — 20.7 mm (0.815 inch)
6-cell	Vostro 1510 and 2510 — 19.9 mm (0.783 inch)
9-cell	Vostro 1510 and 2510 — 20.7 mm (0.815 inch)
6-cell and 8-cell	Vostro 1710 — 20.2 mm (0.795 inch)
Voltage	
4-cell	14.8 V
6-cell and 9-cell	11.1 V
8-cell	16.8 V
Coin-cell battery	CR-2032

AC Adapter	
Input voltage	
Vostro 1310, 1510, and 1710	90–264 VAC(65 W and 90 W)
Vostro 2510	90–264 VAC (90 W)
Input current (maximum)	
Vostro 1310, 1510, and 1710	1.5 A (65 W and 90 W)
Vostro 2510	1.5 A (90 W)

AC Adapter ***(continued)***	
Input frequency	
Vostro 1310, 1510, and 1710	47–63 Hz (65 W and 90 W)
Vostro 2510	47–63 Hz (90 W)
Output current	
65 W	4.34 A (maximum at 4-second pulse) 3.34 A (continuous)
90 W	5.62 A (maximum at 4-second pulse) 4.62 A (continuous)

NOTE: On Vostro 1510/1710/2510 computers that have a discrete video configuration, you must use the 90W AC adapter that is shipped with your computer. Using an incorrect AC adapter will prevent optimal system performance and produce a BIOS warning.

Rated output voltage	
Vostro 1310, 1510, and 1710	19.5 VDC (65 W and 90 W)
Vostro 2510	19.5 VDC (90 W)
Dimensions (65 W):	
Height	27.8–28.6 mm (1.10–1.12 inches)
Width	57.9 mm (2.28 inches)
Depth	137.2 mm (5.40 inches)
Temperature range:	0° to 35° C (32° to 95° F)
Dimensions (90 W):	
Height	33.8–34.6 mm (1.34–1.36 inches)
Width	60.9 mm (2.39 inches)
Depth	153.4 mm (6.04 inches)
Weight (with cables)	0.46 kg (1.01 lbs)
Temperature range	0° to 35° C (32° to 95° F)

Physical	
Height	Vostro 1310 — 23.8 to 37.2 mm (0.937 to 1.465 inches) Vostro 1510 and 2510 — 26.2 to 38.0 mm (1.031 to1.496 inches) Vostro 1710 — 29.0 to 40.5 mm (1.142 to1.594 inches)
Width	Vostro 1310 — 317 mm (12.480 inches) Vostro 1510 and 2510 — 357 mm (14.055 inches) Vostro 1710 — 393 mm (15.472 inches)
Depth	Vostro 1310 — 243.2 mm (9.575 inches) Vostro 1510 and 2510 — 258 mm (10.157 inches) Vostro 1710 — 286 mm (11.26 inches)
Weight	Vostro 1310 — minimum 2.1 kg (4.630 lbs) with 4-cell battery Vostro 1310 — minimum 2.8 kg (6.173 lbs) with 6-cell battery Vostro 1510 and 2510 — minimum 2.1 kg (4.630 lbs) with 4-cell battery Vostro 1710 — minimum 2.6 kg (5.72 lbs) with 6-cell battery Vostro 1710 — minimum 3.41kg (7.51 lbs) with 8-cell battery

Environmental	
Temperature range:	
Operating	0° to 35° C (32° to 95° F)
Storage	–40° to 65° C (–40° to 149° F)
Relative humidity (maximum):	
Operating	10% to 90% (noncondensing)
Storage	5% to 95% (noncondensing)

Finding More Information And Resources

If you need to:	See:
Find safety best practices information for your computer, review Warranty information, Terms and Conditions(U.S only), Safety instructions, Regulatory information, Ergonomics information, and End User License Agreement.	The safety and regulatory documents that shipped with your computer and also see the Regulatory Compliance Homepage at **www.dell.com/regulatory_compliance.**